

## Stephen B. Harrison

Managing Director, Founder - sbh4 consulting (self-employed)  
Principal, Germany – Nexant Energy & Chemicals Advisory (contractor)  
Advisory Board – H2 View (honorary position)  
Advisory Board – gasworld (honorary position)  
Formerly: Global Head of Specialty Gases & Equipment, Linde Gas, Munich

International experience in UK, Germany and worldwide  
Innovation management, Project Evaluation and Business Leadership  
Chemical Engineering Masters Degree from Imperial College, London, ACGI  
Chartered Chemical Engineer, MIChemE, Eurlng



Hydrogen, CCS, Decarbonisation, Sustainability, LNG, Biomethane, F-Gases  
Air quality, Emissions Monitoring, Greenhouse Gases

[www.linkedin.com/in/stephen-harrison](http://www.linkedin.com/in/stephen-harrison)

- 2017 – today **Managing Director, Founder and Consultant - sbh4 consulting**
- Strategy consultant and advisor to international companies
  - Market research execution for strategic studies
  - Consulting related to Refrigerants, Industrial gases, Medical Gases, Specialty Gases, Biomethane, LNG, CCS & hydrogen
  - More than 50 published journal articles related to gases and related hardware and instrumentation
  - M&A transaction support and market research for gas detection and gas analysis instrumentation
  - Consulting for suppliers of gas cylinders, regulators and valves
- 2018 – today **Principal, Germany - Nexant Energy & Chemicals Advisory**
- Business development leadership in the DACH region
  - Market studies and technology evaluation
  - M&A technical, commercial, market and ESG due diligence
  - Refrigerant gases, LNG, Biomethane, CCS, hydrogen & energy sectors
- 2018 – today **Advisory Board – H2 View**
- Editorial guidance to the Global Managing Editor
  - Scout, research and write feature articles
  - Hydrogen, clean mobility, energy transition, decarbonisation
- 2018 – today **Advisory Board - gasworld**
- Editorial guidance to the Global Managing Editor
  - Scout, research and write feature articles
  - CCS, Refrigerant Gases, CEMS, Hydrogen, Energy gases
- 2007 – 2017 **Global Head of Specialty Gases and Equipment, Linde Gas, Munich**
- Global business development strategy
  - Energy gases and hydrogen electrolyser focus
  - Global innovation programme management and execution
- 2003 – 2007 **Global Director – BOC Scientific, The BOC Group, Windlesham, GB**
- Investment project evaluation
  - Strategy development & execution
  - Supply chain transformation

- 2000 – 2003     **Marketing Manager - Industrial Products, BOC Ltd, Guildford, GB**  
Responsible for product strategy, market research and market communication to achieve growth and customer proximity.
- 1999 – 2000     **Business Change Manager, BOC Ltd, Guildford, GB**  
Development of change management plans for acquisitions, divestments and business turnaround.
- 1997 – 1999     **Specialty Gases Commercial Manager, BOC Ltd, Guildford, GB**  
Team leadership and responsibility for commercial processes, customer advice and customer relationship management.
- 1994 – 1997     **Bulk Environmental Applications Development, BOC Ltd, London, GB**  
Development strategy and programme execution for technology innovation in the European market for CO<sub>2</sub> and Oxygen.
- 1991 – 1994     **Bulk & Tonnage Process Engineer, BOC Ltd, Guildford, GB**  
Process optimisation in gas purification facilities and design / commissioning of new production plant.
- 1990 – 1991     **Bulk Food Applications Sales Engineer, BOC Ltd, London, GB**  
Customer applications for CO<sub>2</sub> and nitrogen technical consultancy.

## **EDUCATION**

- 1995             **Chartered Chemical Engineer:** CEng, MIChemE
- 1986 – 1990     **Chemical Engineering**, Imperial College of Science, Technology and Medicine, University of London, GB  
Master of Chemical Engineering Honours Degree: MEng, ACGI  
Marketing and Management, in addition to core Engineering programme  
Prize: Courtaulds Chemicals Industrial Award  
Prize: Innovative application of digital Technology
- 1989 Intern     **Courtaulds Chemicals Ltd:** Process design
- 1988 Intern     **BP Chemicals Ltd:** R&D
- 1987 Intern     **Plastech Ltd:** Composite materials: purchasing and supply chain

**PUBLICATIONS** (Examples from over 50 publications and papers in the past 3 years)

- Flying High with Hydrogen, H2 View, June 2020
- High efficiency hydrogen electrolysis and synthetic fuels, gasworld, June 2020
- Hydrogen from petcoke gasification, Hydrocarbon Engineering, June 2020
- CCS requires pure carbon dioxide, Hydrocarbon Engineering, June 2020
- Refinery & Storage Terminal Environmental Remediation, Digital Refining, June 2020
- Carbon dioxide purity and CCS, gasworld, May 2020
- Maximising Hydrogen Production on SMRs, H2 View, May 2020
- Hydrogen value chains – H2 View, April 2020
- Hydrogen mobility in Germany, H2 View, March 2020
- Hydrogen, CCS Biomethane Energy Standards, gasworld.com, March 2020
- IMO2020 Marine Emissions Monitoring, gasworld.com, March 2020
- Globally Harmonised LNG trading, Asian Environmental Technology, August 2019
- German LNG Terminal, gasworld, July 2019
- Gas chromatography enabling fair trade in LNG, gasworld, June 2019
- Towards decarbonised energy in Germany, Nexant Report, May 2019
- LNG ready to support energy policies in Europe, gasworld.com, Jan 2019
- CEMS – 100 % accuracy, 100 % of the time, gasworld, September 2018

**LANGUAGES**

English (Native)

German (Fluent)



Stephen B. Harrison

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Germany

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